

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

- 1-9. (Cancelled)
10. (Currently amended) A composition comprising an antibody that specifically binds to a polypeptide ~~at least 80% identical to~~ selected from the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, ~~or~~ and SEQ ID NO:6, and wherein the antibody specifically binds to equine IgE.
11. (Currently amended) The composition of claim 10, wherein the antibody specifically binds to ~~a polypeptide at least 80% identical to~~ SEQ ID NO:1.
12. (Currently amended) The composition of claim 10, wherein the antibody specifically binds to ~~a polypeptide at least 80% identical to~~ SEQ ID NO:2.
13. (Withdrawn) The composition of claim 10, wherein the antibody specifically binds to a polypeptide at least 80% identical to SEQ ID NO:3.
14. (Currently amended) The composition of claim 10, wherein the antibody specifically binds to ~~a polypeptide at least 80% identical to~~ SEQ ID NO:4.
15. (Currently amended) The composition of claim 10, wherein the antibody specifically binds to ~~a polypeptide at least 80% identical to~~ SEQ ID NO:5.
16. (Withdrawn) The composition of claim 10, wherein the antibody specifically binds to a polypeptide at least 80% identical to SEQ ID NO:6.
17. (Original) The composition of claim 10, wherein the composition is antiserum.

18. (Original) The composition of claim 10, wherein the antibody is labeled.
19. (Currently amended) The composition of claim 18, wherein the antibody is labeled with an enzyme ~~capable of generating~~ that generates a detectable signal.
20. (Original) The composition of claim 10, wherein the antibody is labeled with radioactive iodine.
21. (Original) The composition of claim 10, wherein the antibody is labeled with biotin.
22. (Currently amended) An antibody that specifically binds to equine IgE, wherein the antibody is made by the a process of immunizing an animal with a polypeptide at least 80% identical to selected from the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, or SEQ ID NO:6.
23. (Currently amended) The antibody of claim 22 wherein the polypeptide is ~~at least 80% identical to~~ SEQ ID NO:1.
24. (Currently amended) The antibody of claim 22 wherein the polypeptide is ~~at least 80% identical to~~ SEQ ID NO:2.
25. (Withdrawn)The antibody of claim 22 wherein the polypeptide is at least 80% identical to SEQ ID NO:3.
26. (Currently amended) The antibody of claim 22 wherein the polypeptide is ~~at least 80% identical to~~ SEQ ID NO:4.
27. (Currently amended) The antibody of claim 22 wherein the polypeptide is ~~at least 80% identical to~~ SEQ ID NO:5.
28. (Withdrawn) The antibody of claim 22 wherein the polypeptide is at least 80% identical to SEQ ID NO:6.

29. (Withdrawn) A method of making an antibody that specifically binds to equine IgE, the method comprising:
immunizing an animal with a composition further comprising an isolated polypeptide, wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, or SEQ ID NO:6; and
collecting antiserum from the animal.
30. (Withdrawn) The method of claim 29 wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:1.
31. (Withdrawn) The method of claim 29 wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:2.
32. (Withdrawn) The method of claim 29 wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:3.
33. (Withdrawn) The method of claim 29 wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:4.
34. (Withdrawn) The method of claim 29 wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:5.
35. (Withdrawn) The method of claim 29 wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:6.
36. (Withdrawn) The method of claim 29 wherein the composition includes an adjuvant.
37. (Withdrawn) The method of claim 29 wherein the composition includes a carrier molecule.
38. (Withdrawn) A method of detecting equine immunoglobulin E protein in a biological sample, the method comprising:

contacting the sample with the composition of claim 10, thereby forming an antigen/antibody complex; and
detecting the presence or absence of the antigen/antibody complex.

39. (Withdrawn) The method of claim 38, wherein the antibody is immobilized on a solid surface.

40. (Withdrawn) The method of claim 38, wherein the antigen is immobilized on a solid surface.

41. (Withdrawn) The method of claim 38, wherein the antibody is labeled, such that the antigen/antibody complex can be detected.

42. (Withdrawn) The method of claim 41, wherein the label is an enzyme capable of generating a detectable signal.

43. (Withdrawn) The method of claim 41, wherein the label is radioactive iodine.

44. (Withdrawn) The method of claim 41, wherein the label is biotin.

45. (Withdrawn) The method of claim 41, wherein the complex is detected using a second labeled antibody.

46. (Withdrawn) The method of claim 41, wherein the biological sample is serum.

47. (Original) A kit for detection of equine immunoglobulin E in a biological sample, the kit comprising:

the composition of claim 10; and

means for detecting specific binding of said antibody to equine immunoglobulin

E.

48. (New) An antibody that specifically binds to an amino acid sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:4, and SEQ ID NO:5, and wherein the antibody specifically binds to native equine IgE.

49. (New) A composition comprising the antibody of claim 48.

50. (New) The antibody of claims 10, 22, or 48, wherein the antibody is a polyclonal antibody.

51. (New) The antibody of claims 10, 22, or 48, wherein the antibody is a monoclonal antibody.

52. (New) The antibody of claim 48 wherein the antibody is isolated or purified.